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In the Claims

Please cancel claims 1-5.

Please add the following, currently amended, new claim:

6. (Currently Amended new claim) A method for identifying brain loci of neural clusters that ~~whose normal function~~ determine the subjective quality of a ~~any~~ particular elementary mental state, such as any innate submodality element of sensation, comprising:

establishing correspondence between said submodality element of sensation and the external stimulus that normally elicits it, and with a voluntary behavioral response, so that following said stimulus said behavioral response signifies the presence of the said element of sensation, and the absence of said behavioral response signifies the absence of said element of sensation;

detecting brain loci that manifest transient increased activation immediately following said external stimulus and said corresponding behavioral response;

identifying, among the said brain loci that manifest increased activation, those whose deactivation selectively eliminates said behavioral response to said external stimulus, without eliminating behavioral responses to external stimuli that induce other elements of sensation within the same submodality.